

What is Claimed is:

1. A stacking telescoping conveyor, comprising:
  - a main frame having a tail end pivotally secured to the base, and a head end;
  - a stinger telescopically mounted within the main frame, the stinger having a first end and a terminal end; and
  - a single conveyor belt extending across a top surface of the main frame and the stinger, the conveyor having a single drive means.
2. The conveyor according to claim 1, wherein:
  - the main section includes a first pulley disposed near the top of the tail end of the main section, a second pulley disposed near the top of the head end of the main section, and a third and fourth pulley disposed within the head end of the main section, below a line defined connecting the first and second pulleys;
  - the stinger includes a fifth pulley disposed at the stinger's first end, and a sixth pulley disposed at the stinger's terminal end; and
  - the conveyor belt extends around the first pulley, around the second pulley, around the fourth pulley, around the sixth pulley, around the fifth pulley, around the third pulley, and back to the first pulley.
3. The conveyor according to claim 2, further comprising a drive pulley.
4. The conveyor according to claim 3, further comprising a trans pulley adjacent to the drive pulley.
5. The conveyor according to claim 1, wherein the drive means of the conveyor is located in the tail end of the main section.
6. The conveyor according to claim 1, further comprising:
  - a base having:
    - a tail end with a support structured to permit pivoting of the base about the support; and
    - a head end having a pair of pivotally secured arms, each arm terminating in a wheel, the arms being structured to pivot between a first position wherein they are substantially parallel to the base, and a second position wherein they are substantially in a radial position with respect to the base.
7. The conveyor according to claim 6, further comprising a drive

mechanism structured to rotate the wheels.

8. The conveyor according to claim 6, further comprising a means for resisting rotation of the wheels.

9. The conveyor according to claim 6, further comprising a lifting mechanism structured to move the main frame between a lowered position wherein the main section is substantially horizontal, and an elevated position wherein the head end is elevated with respect to the tail end;

10. The conveyor according to claim 1, further comprising a winch disposed in the tail end of the main section, the winch having an extension cable extending to the head end of the main section, around a pulley, and then to the first end of the stinger, and a retraction cable extending from the winch to the first end of the stinger.

11. The conveyor according to claim 10, further comprising a safety brake, the brake having at least one arm pivotally secured to the stinger, a cable-engaging crosspiece structured to rest atop the extension cable of the winch, and a stinger-engaging crosspiece structured to permit pivoting of the arm downward under gravity a sufficient distance to catch a crossbeam of the main frame, and to resist substantial further pivoting of the arm, whereby breakage of the extension cable permits the arm to fall into position to catch the crossbeam.

12. The conveyor according to claim 6, further comprising a hitch structured for securing to a hitch of a truck and disposed at the tail end of the base.

13. A portable radial stacker having a main section and a stinger telescopically mounted to the main section, the improvement comprising a single belt and a single drive means for both the base section and the stinger.

14. The conveyor according to claim 13, wherein:

the main section includes a tail end and a head end, the main section further includes a first pulley disposed near the top of the tail end of the main section, a second pulley disposed near the top of the head end of the main section, and a third and fourth pulley disposed within the head end of the main section, below a line defined connecting the first and second pulleys;

the stinger includes a first end and a terminal end, the stinger further includes a fifth pulley disposed at the stinger's first end, and a sixth pulley disposed at

the stinger's terminal end; and

the conveyor belt extends around the first pulley, around the second pulley, around the fourth pulley, around the sixth pulley, around the fifth pulley, around the third pulley, and back to the first pulley.

15. The conveyor according to claim 14, further comprising a drive pulley.

16. The conveyor according to claim 15, further comprising a trans pulley adjacent to the drive pulley.

17. The conveyor according to claim 13, wherein the drive means of the conveyor is located in the tail end of the main section.

18. A method of running a conveyor belt across a telescoping stacking conveyor, the conveyor comprising a main section having a tail end and a head end, and a stinger section telescopically mounted within the main section, the stinger section having a first end and a terminal end, the method comprising:

providing a first pulley disposed near the top of the tail end of the main section, a second pulley disposed near the top of the head end of the main section, and a third and fourth pulley disposed within the head end of the main section, below a line defined connecting the first and second pulleys;

providing a fifth pulley disposed at the stinger's first end, and a sixth pulley disposed at the stinger's terminal end;

running a conveyor belt around the first pulley, around the second pulley, around the fourth pulley, around the sixth pulley, around the fifth pulley, around the third pulley, and back to the first pulley; and

providing a single drive means for the conveyor, the drive means rotating a pulley around which the conveyor belt extends.

19. The method according to claim 18, further comprising running the conveyor around a drive pulley in addition to the first, second, third, fourth, fifth, and sixth pulleys, and operatively connecting the drive means to the drive pulley.

20. The method according to claim 19, further comprising providing a trans pulley adjacent to the drive pulley, and running the conveyor around the trans pulley.